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## In the Claims

- (Original) A plasma torch assembly comprising:
  a torch body having a handle portion and a tip portion;
  an electrode disposed in the tip portion of the torch body; and
- a retaining cup constructed to encircle the electrode in the torch body and connect to the tip portion with less than approximately 180 degrees rotation relative to the torch body.
- 2. (Original) The plasma torch assembly of claim I further comprising an L-shaped groove formed in at least one of the retaining cup and the tip portion of the torch body.
- 3. (Original) The plasma torch assembly of claim 2 further comprising a pin extending from at least one of the retaining cup and the tip portion of the torch body and constructed to engage the groove.
- 4. (Original) The plasma torch assembly of claim 1 further comprising a shield connectable to the retaining cup generally opposite the tip portion of the torch body.
- 5. (Original) The plasma torch assembly of claim 4 wherein the shield is at least one of a drag shield and a gouging shield.
- 6. (Original) The plasma torch assembly of claim 1 further comprising a swirl ring disposed generally between the electrode and the tip portion of the torch body.
- 7. (Original) The plasma torch assembly of claim 1 wherein the retaining cup is fully connectable to the tip portion of the torch body by approximately 90 degrees of rotation therebetween.
- 8. (Original) The plasma torch assembly of claim I wherein the plasma torch assembly is any one of a contact start plasma torch, a high-frequency start plasma torch assembly, and a high voltage start plasma torch assembly.

S/N: 10/711,029

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9. (Original) The plasma torch assembly of claim 1 further comprising a cable having a first end connected to the plasma torch assembly and a second end connectable to a power source.

- 10. (Original) A plasma cutter comprising:
- a power source configured to condition power into a form usable by a plasma cutting process;
- a torch connected to the power source and configured to effectuate the plasma cutting process;

an electrode disposed in the torch; and

a cup having a twist-lock quick-connect mechanism removably connecting the cup to the torch and constructed to maintain an operable position of the electrode and prevent overtightening of the cup to the torch.

- 11. (Original) The plasma cutter of claim 10 further comprising a pin and channel engagement between the cup and torch constructed to limit rotation therebetween to less than approximately 360 degrees.
- 12. (Original) The plasma cutter of claim 10 further comprising a swirl-ring disposed between the electrode and the torch and constructed to direct a flow of gas therethrough.
- 13. (Original) The plasma cutter of claim 10 further comprising a shield connected to the cup.
- 14. (Original) The plasma cutter of claim 10 wherein the twist-lock mechanism is constructed to provide complete engagement within a single-grip rotation.
- 15. (Original) The plasma cutter of claim 10 further comprising a pin extending from one of the cup and the torch and constructed to engage a groove formed in another of the cup and the torch.
- 16. (Original) The plasma cutter of claim 10 wherein the torch is one of a contact start torch, a high-frequency start torch, and a high-voltage start torch.

Joseph C. Schneider

S/N: 10/711,029

17. (Original) A plasma torch assembly comprising:

a torch body;

an electrode;

means for connecting the electrode to the torch body having a fully engaged position with less than one complete rotation of the means from an unlock position to a lock position.

- 18. (Original) The plasma torch assembly of claim 17 wherein the fully engaged position of the connecting means is approximately 90 radial degrees from the initial position.
- 19. (Original) The plasma torch assembly of claim 17 wherein at least one of the torch body and the connecting means includes a groove constructed to engage a pin on another of the torch body and the connecting means.
- 20. (Original) The plasma torch assembly of claim 19 wherein the pin and groove cooperate to prevent overtightening of the connecting means to the torch body.
- 21. (Original) The plasma torch assembly of claim 17 further comprising a cable connecting the plasma torch assembly to a power source configured to generate a power signal applicable to a plasma process.
- 22. (Original) A plasma torch consumable comprising a quick connect cup having a partial-turn engagement mechanism engageable with another engagement mechanism of a plasma torch.
- 23. (Original) The plasma torch consumable of claim 22 wherein the partial-turn engagement mechanism of the quick connect cup is a twist-lock mechanism.
- 24. (Original) The plasma torch consumable of claim 23 wherein the twist-lock mechanism is one of a DINSE-style connector and includes a pin and groove engagement.

Joseph C. Schneider

S/N: 10/711,029

- 25. (Original) The plasma torch consumable of claim 23 wherein the twist-lock mechanism prevents overtightening of the quick connect cup to the torch.
- 26. (Original) The plasma torch consumable of claim 22 wherein the partial turn engagement mechanism is defined to have a rotation less than 360 degrees when moved from a disengaged position to an engaged position.
- 27. (Original) The plasma torch consumable of claim 22 wherein the partial turn engagement mechanism is a half-turn engagement mechanism wherein rotation of the quick connect cup relative to the plasma torch fully connects the quick connect cup thereto.
- 28. (Original) The plasma torch consumable of claim 22 wherein the partial-turn engagement mechanism includes one of a groove and a pin and another engagement mechanism is another one of a groove and pin.
- 29. (Original) The plasma torch consumable of claim 22 wherein the partial-turn engagement mechanism includes a thread on each of the quick connect cup and the torch having a stop mechanism preventing rotation past a partial turn of the cup with respect to the torch.